



MERENKULKUHALITUKSEN

TIEDOTUSLEHTI

10.7.1990

Helsinki

No 10/90

LIFE-SAVING APPLIANCES APPROVED BY THE NATIONAL BOARD OF NAVIGATION

The list below contains equipment and material approved by the National Board of Navigation by June 15th 1990.

This Circular supersedes Circular No 14/88, dated Dec 12th 1988.

Note: A separate list containing fire protection appliances and materials has been published in Circular No 11/76.

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MERENKULKUHALITUKSEN KARTTAPAINO
HELSINKI 1990

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N.B. Type-approval decisions of the National Board of Navigation are issued for max. five years at a time. After that the manufacturer should apply for a new type-approval. If the importer or manufacturer does not send in a new application in time, the appliance will be excluded from the next circular.

A type-approved appliance or equipment, which has already been bought to the ship may be used as long as it is fit for use, if provisions do not prescribe otherwise.

Date of expiry: ----- means that the appliance or equipment concerned is approved until further notice.

Marking " * " means that the appliance concerned is approved according to the International Convention of Safety of Life at sea 1974 with the 1983 SOLAS amendments.

APPROVED LIFE-SAVING APPLIANCES

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
<u>LINE-THROWING APPLIANCES:</u>			
Line-throwing appliance Kongsbergs Rednings- gevär M/52	Eivind Koch A/S, Norway	30-04-1954	-----
		KD 1096/53/301	
Line-throwing appliance Art.No.1104	Farsons Ky/Comet " * " GmbH	09-12-1986	12-91
		KD 2999/86/305.1	
Line-throwing appliance Ikaros-Line	Oy Maritim Ab/Norabel S " * "	23-07-1986	07-91
		KD 1496A/86/305.1	
Line-throwing appliance Speedline 250	Rymaco Oy/Pains-Wessex " * "	25-07-1986	07-91
		KD 1391/86/305.1	

ROCKET PARACHUTE
FLARES:

Rocket parachute flare Art.No.1232	Farsons Ky/Comet GmbH " * "	09-12-1986	12-91
		KD 2999/86/305.1	
Rocket parachute flare IKAROS 3401	Oy Maritim Ab/Norabel S " * "	23-07-1986	07-91
		KD 1496A/86/305.1	
Rocket parachute flare Para Red MK III	Rymaco Oy/Pains-Wessex " * "	25-07-1986	07-91
		KD 1391/86/305.1	

HAND FLARES:

Hand flare Art.No.1328	Farsons Ky/Comet GmbH " * "	09-12-1986	12-91
		KD 2999/86/305.1	
Hand flare Polar MK 2	Oy Maritim Ab/Norabel S " * "	23-07-1986	07-91
		KD 1496A/86/305.1	
Hand flare MK VI	Rymaco Oy/Pains-Wessex " * "	25-07-1986	07-91
		KD 1391/86/305.1	

IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
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BUOYANT SMOKE
SIGNALS:

Buoyant smoke signal Art.No.1320	Farsons Ky/Comet GmbH " * "	09-12-1986 12-91 KD 2999/86/305.1
Buoyant smoke signal No.3421	Oy Maritim Ab/Norabel S " * "	23-07-1986 07-91 KD 1496A/86/305.1
Buoyant smoke signal MK III	Rymaco Oy/Pains-Wessex " * "	25-07-1986 07-91 KD 1391/86/305.1
Smoke signal device Bucoysmoke	Rymaco Oy/Pains-Wessex " * "	25-07-1986 07-91 KD 1391/86/305.1

LIFEBUOY
SMOKE SIGNALS:

Lifebuoy smoke signal No.3452	Oy Maritim Ab/Norabel S " * "	23-07-1986 07-91 KD 1496A/86/305.1
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LIFEJACKET LIGHTS:

Lifejacket light Type RS 05(Seepilz)	Farsons Ky/Paul Merten " * "	02-03-1987 03-92 KD 430/87/305.1
Lifejacket light Type L8S	Rymaco Oy/McMurdo Ltd " * "	03-04-1986 04-91 KD 403/86/305.1
Lifejacket light Jaklite-3	Rymaco Oy/ACR Electronic " * "	26-02-1986 02-91 KD 565/85/305.1
Lifejacket light SK-01A	RO-METALSERVIS/Yugoslavia For newbuildings 356 and 357 only	19-11-1987 ----- " * " KD 2508/87/305.1
Lifejacket light Rescue - sun	Daniament ApS Denmark	08-11-1988 11-93 " * " KD 2330/351/88

LIFEBUOY LIGHTS:

Lifebuoy light L 41 B	Rymaco Oy/McMurdo Ltd " * "	03-03-1987 03-92 KD 164/87/305.1
Self-igniting light and smoke signal for lifebuoy (Man-overboard)	Rymaco Oy/Pains-Wessex " * "	25-07-1986 07-91 KD 1391/86/305.1

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Self-igniting light and smoke signal for lifebuoy (Man-overboard) Art.No.1215	Farsons Ky/Comet GmbH	02-03-1978	----- KD 690/78/301
Lifebuoy light ASTRA	Rymaco Oy/The McMurdo, England	22-12-1977	----- KD 3108/77/301
Lifebuoy light BT 6121 and BT 6171	Oy Maritim Ab/Denmark " * "	12-01-1987	01-92 KD 2920/86/305.1
Lifebuoy light Art.No.1202	Farsons Ky/Comet GmbH	12-11-1980	----- KD 2978/80/301
Lifebuoy light Type Tron 3F	Alftan Ab/A/S Jotron Elektronik	10-09-1979	-----
Self-igniting light and smoke signal for lifebuoy (Man-overboard) Art.No.1215	Farsons Ky/Comet GmbH " * "	09-12-1986	12-91 KD 2999/86/305.1
Self-igniting light and smoke signal for lifebuoy (Man-overboard) Art.No.01.305 Z	Oy Maritim Ab/Carl Flem- ming GmbH, West Germany " * "	19-08-1987	08-92 KD 1563/87/305.1
Lifebuoy light Art.No.1205	Farsons Ky/Comet GmbH " * "	09-12-1986	12-91 KD 2999/86/305.1
Lifebuoy light Art.No.01.105 ZA MS	Oy Maritim Ab/Carl Flem- ming GmbH, West Germany " * "	19-08-1987	08-92 KD 1563/87/305.1
Lifebuoy light SIGNA-FLASH	Napco Finland Oy/Canada	30-03-1982	----- KD 176/82/305.1
Lifebuoy light L-41	Oy Rymaco Ab/McMurdo Ltd	13-05-1969	----- KD 1225/69/301
Lifebuoy light L-40	Oy Rymaco Ab/McMurdo Ltd	13-12-1968	----- KD 3077/68/301
Lifebuoy light Sea-Light	Oy Rymaco Ab/Pains-Wessex Ltd, England	09-08-1967	----- KD 2421/67/301
Lifebuoy light Mark 11	Oy Interco Ab/Alexander- Schwimwell & Co	25-03-1955	----- KD 793/55/301
Lifebuoy light TSI BLINK 437	Oy Hellesens Ab/Transis- tor Signal Industrier	24-03-1975	----- KD 1225/75/301

IMPORTER/MANUFACTURER

APPROVED/
KDDATE OF
EXPIRYBATTERIES FOR LIFERAFT
INNER LIGHTING:

Viking Type 302/1	A/S Nordisk Gummibåds- fabrik, Denmark	24-11-1981	-----
		KD 658/81/301	

HYDROSTATIC
RELEASE UNITS:

Hydrostatic release unit DK 84	Structor Oy/Thanner & Co " * "	24-10-1986	10-91
		KD 294/86/305.1	
Hydrostatic release unit HAMMAR H 20	Oy Maritim Ab/C.M. Hammar S " * "	28-04-1986	04-91
		KD 342/86/305.1	

RETRO-REFLECTIVE TAPE:

Retro-reflective tape AP-1000	Erikoisheijastin Oy/ U.S.A. " * "	09-03-1987	03-92
		KD 377/87/305.1	
Retro-reflective tape Scotchlite 2290	Suomen 3M Oy/U.S.A.	23-08-1977	-----
Scotchlite 3290			
Scotchlite 5290	-----"-----		
Scotchlite 3110		KD 2550/77/301	
Scotchlite 6710			
Retro-reflective tape USL 501	Heijaste Oy/Unitica Sparklite Ltd, Japan	08-02-1977	-----
		KD 442/77/301	
Retro-reflective tape Toshiba 320	Heijaste Oy/Japan	22-06-1976	-----
		KD 2426/76/301	

BUOYANT APPARATUS:

Buoyant apparatus PUR 10,15 and 20	PU-Rakenne Oy/Tampere	13-03-1987	03-92
		KD 640/87/305.1	
Buoyant apparatus SB-10	Oy Maritim Ab/ SvanteBoats Kb	02-03-1987	03-92
		KD 3560/83/305.1	
Buoyant apparatus SB-6	Oy Maritim Ab/ SvanteBoats Kb	02-01-1984	01-89
		KD 3560/83/305.1	

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Buoyant apparatus FANTTI	Toivo Rahja/Aluminium A/S (Separate approval for each vessel)	18-07-1986	-----
Buoyant apparatus Petra I	Veli Palvainen/the same (Separate approval for each vessel)	16-07-1986 KD 1637/86/305.1	-----
Buoyant apparatus Artekno 13	Veijo Sonkamuotka (Separate approval for each vessel)	21-08-1985 KD 2360/86/305.1	-----
Buoyant apparatus TOM-LAUTTA	Tom Granmark (Separate approval for each vessel)	22-08-1985 KD 2236/85/305.1	-----
Buoyant apparatus SCANVIK	Runar Österlund/Structor (M/s Amiraali only)	22-01-1985 KD 3322/84/305.1	-----
Buoyant apparatus JYSKY 15	Ilves Laivat Oy (M/s Suvetar only)	10-06-1981 KD 1632/81/301	-----
Buoyant apparatus PEPSI 6	Aake Martikainen (M/s Pepsi only)	25-05-1982 KD 1604/82/305.1	-----
Buoyant apparatus SOFA-LIFE 10	Sofa Oy	15-08-1978 KD 2834/78/301	-----
Buoyant apparatus 12 and 20 SCANVIK	Structor Oy/Nordisk Gummibådsfabrik, Denmark	10-04-1981	-----
Buoyant apparatus EVA 12	Anders Andersson (M/s Emma only)	03-11-1980 KD 3266/80/301	-----
Buoyant apparatus VIRELAUTTA 15	Esko Piispa	02-06-1980 KD 1585/80/301	-----
Buoyant apparatus GRETA 20	Stefan Svaetichin	15-02-1979 KD 4566/78/301	-----
Buoyant apparatus LINNA 22	Veneveistämö A.Niskanen	02-08-1977 KD 2393/77/301	-----
Buoyant apparatus E-G PELASTAJA-78 8	Enso - Gutzeit Oy	19-05-1978 KD 1425/78/301	-----
Buoyant apparatus E-G PELASTAJA-20 20	Enso - Gutzeit Oy	27-05-1976 KD 1617/76/301	-----
Buoyant apparatus RIMITO 20	Lasikuitutyö Virtanen Oy	19/05/1978 KD 2610/77/301	-----

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Buoyant apparatus VIRTUS 16 and 19	Saimaan Trippimatkat Oy	06-07-1977 KD 2646/77/301	-----
Buoyant apparatus TIKO 20	Veneveistämö A.Niskanen	02-08-1977 KD 2393/77/301	-----
Buoyant apparatus TIMPPA 15	Veneveistämö A.Niskanen	02-08-1977 KD 2393/77/301	-----
Buoyant apparatus VILIAM 18	Reino Lehtinen	01-02-1977 KD 291/77/301	-----
Buoyant apparatus TIIRA 14	Tampereen Laivamatka- palvelu	03-06-1977 KD 1411/77/301	-----
Buoyant apparatus KOSKI 5	Taivalkosken Vene- veistämö	03-06-1977 KD 1045/77/301	-----
Buoyant apparatus LOKKI 12	Tampereen Laivamatka- palvelu	03-06-1977 KD 1411/77/301	-----
Buoyant apparatus BELIN 4,6 and 10	Maskin Imports Ab/ Soliso, France	09-12-1976 KD 4123/76/301	-----
Buoyant apparatus SAIMAA LAUTTA 22	Savon Saukot Ry	26-08-1976 KD 2688/76/301	-----
Buoyant apparatus 12,16,22,25 and 27 KEIJO LAUTTA	Keijo Partanen	22-06-1976 KD 2166/76/301	-----
Buoyant apparatus MARINA 16	Pohjois-Karjalan Keskusammattikoulu	04-05-1976 KD 863/76/301	-----
Buoyant apparatus ERRY-LAUTTA 16	Eriste-Virtaset/ Virtanen & CO	05-02-1976 KD 4775/75/301	-----
Buoyant apparatus SALTER 14 and 20	Rymaco Oy/Salter Ltd	23-09-1975 KD 3122/75/301	-----
Buoyant apparatus GLAFI 6,12,16, 20 and 22	Oy Structor Ab/Einar Elvrund Teknisk Bedrift A/S, Norway	06-05-1971 KD 493/70/301	-----
Buoyant apparatus MARINAL 12	Oy Maritim Ab/ Aanensen & Co, Norway	28-04-1967 KD 1437/67/301	-----

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Buoyant apparatus K 20	Turun Veneveistämö	28-04-1967 KD 1351/67/301	-----
Buoyant apparatus K 16	Turun Veneveistämö	28-04-1967 KD 955/67/301	-----
Buoyant apparatus AR 66-10 and AR 66-20	Artekno Oy	16-08-1966 KD 2263/66/301	-----
Buoyant apparatus LIBRA 20	Oy Per G. Thömts Ab/ Libra Plast, Norway	13-05-1966 KD 1304/66/301	-----
Buoyant apparatus MERMAN 20	Karhumyynti Oy/Maritime Plastic Co, Denmark	16-05-1961 KD 1092/61/301	-----
Buoyant apparatus BELIN K.1 6,10,16,20	Henrik Dahlman & Co/ Soliso, France	16-05-1961 KD 2249/59/301	-----
Buoyant apparatus SALAR 5	Voitto Kari (in inshore traffic and on fishing vessels)	06-11-1987 KD 178/155/442/87	11-92

LIFEBUOYS:

Lifebuoy PL-1/ 2.5 kg	Plastopor Oy " * "	25-02-1986 KD 2497/84/305.1	02-91
Lifebuoy N 75 2.5 kg and 4 kg N 85 2.5 kg and 4 kg	Jotekno Ky (renewed 23.4.1990) " * "	01-03-1985 "KD 251/85/305.1	03-90
Lifebuoy SCANMARIN A-45174/81	Bakelitfabriken A/S, Norway	20-11-1981 KD 2918/81/301	-----
Lifebuoy International N 2,5 kg International S 4,5 kg	Paul Merten GmbH West Germany " * "	24-11-1988 KD 2622/351/88	11-93

LIFERAFTS:

Liferaft 4,6,8,10,12,16, 20 and 25 DK and 12,16,20 and 25 DKF	Structor Oy/Nordisk- Gummibådsfabrik A/S (DK = jettisoned) (DKF= davit-launched) " * "	16-01-1987 KD 1815/86/305.1	01-92
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	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Liferaft 6,8,10,12,16,20 and 25 K and 20 and 25 KF 12 and 16 KF	Structor Oy/Nordisk- Gummibådsfabrik A/S (K = jettisoned) (KF= davit-launched) -----"	19-06-1975 KD 1821/75/301 KD 2003/78/301	-----
Liferaft NF-25	Structor Oy/Nordisk- Gummibådsfabrik A/S	07-10-1969 KD2653/69/301	-----
Liferaft 6,8,10/12,15/16, 20 and 25 LR 86 and 12,15/16,20 and 25 LR 86 L	Deutsche Schlauchboot- fabrik Hans Scheibert GmbH & Co Kg (LR 86= jettisoned) (LR 86 L= davit-launched) " * "	08-10-1986 10-91 KD 1265/86/305.1	
Liferaft 6,8,10,12,15,20 and 25 MM and 20 and 25 MC	Aseko Oy/Autoflug GmbH (MM= jettisoned) (MC= davit-launched)	28-03-1978 -----	
Liferaft PETREL 2000 5, ALK 2000 6, and TEAL 2000 8	Aseko Oy/Autoflug GmbH	18-06-1980 ----- KD 164/80/301	
Liferaft 6,8,10,12,16, 20 and 25 Surviva and 12,16,20 and 25 DL	Oy Maritim Ab/RFD Ltd (DL= davit-launched) " * "	14-04-1986 04-91 KD 519/86/305.1	
Liferaft 4/5,6/7 and 8/9 ATLANTIC	Oy Maritim Ab/ Ballonfabrik GmbH (in inshore traffic and fishing vessels)	02-10-1986 10-91 KD 1464/86/305.1	
Liferaft 12 persons ATLANTIC	Oy Maritim Ab/ Ballonfabrik GmbH (in inshore traffic and fishing vessels)	27-07-1989 07-94 KD 1244/351/89	
Liferaft 4/5,6/7 and 8/9 PACIFIC	Oy Maritim Ab/Ballon- fabrik GmbH (in inshore traffic and fishing vessels)	21-10-1987 10-92 KD 827/87/305.1	

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Liferaft 6,8,10,12,15,20 and 25 MM Mark 6	Oy Maritim Ab/ R.F.D. Company Ltd	05-12-1979 KD 1303/79/301	-----
Liferaft 6 ME	Oy Maritim Ab/ R.F.D. & Co Ltd	29-06-1978 KD 2541/78/301	-----
Liferaft 25 MA	Oy Maritim Ab/R.F.D & Ltd (inshore traffic only)	10-03-1977 KD 854/77/301	-----
Liferaft for 8 persons	Oy Maritim Ab/R.F.D & Co Ltd (fishing vessels only)	06-11-1964 KD 2047/64/301	-----
Liferaft 4,6,8,10 and 12FM and 4,6,8,10,12,15,20 and 25MM	Oy Maritim Ab/R.F.D & Co Ltd	18-12-1959 KD 748/59/301	-----
Liferaft MC MK 1 for 20 and 25 persons	Oy Maritim Ab/R.F.D. & Co Ltd (davit-launched)	03-12-1963 KD 3087/63/301	-----
Liferaft 4,6 and 8 UK	Structor Oy/Nordisk Gummibådsfabrik A/S (coastal and inshore)	12-10-1981 KD 2383/81/301	-----
Liferaft 6DSL 8DSL 10DSL 12DSL 16DSL 20DSL and 25DSL and 20F and 25F DSL	Paavo W Pirilä Ky/Deutsche Schlauchbootfabrik GmbH (F= davit-launched)	26-04-1982 KD 3484/81/301	-----
Liferaft Seiner(4), Cutter(6) Yawl(8), Trawler(10) Drifter(12), Schooner(15), Freighter(20) and Merchantman(25)	Rymaco Oy/Elliott/R.F.D.& Co Ltd, England	06-10-1961 KD 2285/61/301	-----
Liferaft Seabel(5)	Rymaco Oy/Elliott/R.F.D & Co Ltd, England (fishing vessels only)	27-04-1962 KD 931/62/301	-----

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Liferaft 6,8,10,12,16,20 and 25 RBM and 20 QM	Rymaco Oy/Beaufort Air- Sea Equipment Ltd	22-04-1981	----- KD 1753/80/301
Liferaft 25 X	Rymaco Oy/Beaufort Air- Sea Equipment Ltd	25-04-1972	----- KD 1364/72/301
Liferaft 4 (not on internatio- nal voyages) 6,8,10,12,16, 20 and 25 RB	Farsons Ky/Beaufort Air- Sea Equipment Ltd	07-12-1976	----- KD 4286/76/301
Liferaft 25 Q	Farsons Ky/Beaufort Air- Sea Equipment Ltd	19-12-1973	----- KD 4014/73/301
Liferaft 4,6 and 8 RB/UK	Farsons Ky/Beaufort Air- Sea Equipment Ltd	29-08-1979	----- KD 956/79/301
Liferaft 4,6 and 8 Type 6 M YACHTMASTER	Interco Oy/Dunlop Ltd	27-09-1977	----- KD 3315/77/301
Liferaft Seafarer-Type 3 4,6,10,12,15,20 and 25	Interco Oy/Dunlop Ltd (4 = fishing vessels only)	09-08-1971	----- KD 2285/71/301
Liferaft Seafarer-Type 4 8	Interco Oy/Dunlop Ltd	09-08-1971	-----
Liferaft Seafarer-MK 4 for 6,8,10,12,15,20 and 25 persons	Interco Oy/Dunlop Ltd " * "	04-11-1987	11-92 KD 704/87/305.1
Liferaft Seafarer-MK 4 DL for 12,15,20 and 25 persons	Interco Oy/Dunlop Ltd " * "	04-11-1987	11-92 KD 704/87/305.1
Liferaft Type 4M 4,6 and 8	Oy Interco Ab/Dunlop Ltd, England	01-08-1972	----- KD 2286/71/301

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Liferaft Seafarer 25	Interco Oy/Dunlop Ltd (davit-launched)	09-08-1971 KD 916/70/301	-----
Liferaft Seamaster MK2 for 4 persons	Interco Oy/Dunlop Ltd (fishing vessels)	23-10-1962 KD 3258/62/301	-----
Liferaft Seamaster MK 3M for 6 persons	Interco Oy/Dunlop Ltd	14-04-1967 KD 928/67/301	-----
Liferaft AVON 4, 6 and 8	Maritim Ab/Avon Inflat- ables Ltd	30-12-1976 KD 4374/76/301	-----
Viking Marine Escape System (with 45 persons liferafts)	Oy Structor Ab/Nordisk Gummibådsfabrik, Denmark " * "	18-11-1987 KD 222/87/305.1	11-92
Liferaft type 50 Dk	Oy Structor Ab/Nordisk Gummibådsfabrik, Denmark (to be used with Viking Marine Escape System only) " * "	28-03-1989 KD 198/351/89	03-94
Liferaft type RF/2 B 6, 8, 12, 16, 20 and 25 persons	VEB TEXTIL-UND VERED- LUNGSBETRIER/Oy Structor " * "	15-08-1988 KD 1122/85/305.1	08-93

RIGID LIFERAFTS:

Rigid liferaft 6,10,15 and 20 DAUPHIN	Maskin Import Oy/Soliso	13-05-1976 KD 1699/76/301	-----
Rigid liferaft Belin RS 2 for 10,14, 17 and 20 persons	Henrik Dahlman, Mariehamn	25-06-1968 KD 1579/68/301	-----

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Rigid lifteraft Belin RK 2 for 6,10 and 17 persons	Soliso, France/ Henrik Dahlman & Co	15-05-1961	----- KD 2249/59/301
Rigid lifteraft Floating Igloo for 6,10,14,15,20 and 22 persons	Rymaco Oy/Valter Tangen A/S, Norway	16-11-1965	----- KD 1472/65/301

LIFERAFT RELEASE HOOKS:

Atlas Mark II	Oy Interco/William Mills Ltd, England	04-08-1967	----- KD 1978/67/301
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INFLATABLE
RUBBER BOATS:

B.O.T.I-Searover for 6 and 9 persons	Interco Oy/Dunlop Ltd	09-08-1971	----- KD 2284/71/301
S-MA 2 and S-MA 3 for fishing vessels	Paavo W Pirilä Ky	10.01.1964	----- KD 3143/63/301

LIFEJACKETS:

Lifejacket Type A2 and Type AXI	Greben Vela Luka, Yugoslavia " * " Newbuilding 356/357 (SF-Line)	05-08-1987	08-92 KD 1673/87/302
Lifejacket RT-84 and RT-45	Rymaco Oy (renewed 12.01.1990) " * "	31-12-1984	12-89 KD 2038/84/305.1
Lifejacket RT-88 and RT-48	Rymaco Oy " * "	10-03-1988	03-93 HD 507/88
Lifejacket RT-63P	Rymaco Oy	29-01-1963	----- KD 339/63/301
Lifejacket Seepiltz	Agentur Neumann/Paul Merten, West Germany	22-07-1968	----- KD 1580/68/301

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Lifejacket Hart-Imco	Paavo.W.Pirilä Ky/ England	29-03-1972 KD 3851/71/301	-----
Lifejacket PKM/71	Pohjois-Karjalan Meri- pelastusyhdistys	06-05-1971 KD 829/69/301	-----
Lifejacket Seamaster	Neotrade Oy/Brödrene Sunde A/S	20-05-1969 KD 3551/68/301	-----
Lifejacket Seamaster 1983 (A/C)	A/S Sunmore Livbelte- fabrik " * "	13-09-1989 KD 696/87/305.1	09-94
Lifejacket Vedette 48	Compitour des Lieger, France	25-03-1969 KD 238/67/301	-----
Lifejacket Ulvex 2090	Ulvsunda Gummifabriks AB	19-08-1966 KD 1510/192/66	-----
Lifejacket Ulvex 880	Ulvsunda Gummifabriks AB	21-04-1964 KD 1407/64/301	-----
Lifejacket MERMAN VIII	Hispano-Finlandesa Oy/ Maritime Plastic Co A/S	10-06-1966 KD 3122/65/301	-----
Lifejacket MERMAN 14 A (adult) MERMAN 14 A (children)	Oy Synkronex/Maritime Plastic Co A/S Denmark " * "	06-06-1989 KD 1088/351/89	06-94
Lifejacket RT-30 and RT-30P	Rymaco Oy	26-11-1965 KD 3166/65/301	-----
Lifejacket PP-12 PP-10	Plastopor Oy	11-01-1966 KD 3518/65/301 KD 4538/64/301	-----
Lifejacket IGLOO	Bera Oy/Walter Tangen A/S	02-07-1965 KD 1961/65/301	-----
Lifejacket HL/60	Oy Maritim Ab	22-10-1965 KD 2948/65/301	-----
Lifejacket Secumar 17	Tele-Air Oy Ltd	02-07-1965 KD 2047/65/301	-----
Lifejacket Bergens Lifejacket Bergens Lifesaver	Structor Oy/Bergens Meis og Ryggsekk A/S	31-08-1965 KD 2116/65/301	-----

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Lifejacket RT-20	Rymaco Oy	17-03-1964 KD 960/63/301	-----
Lifejacket RT-20P	Rymaco Oy	17-03-1964 KD 960/64/301	-----
Lifejacket Saropor 63	Artekno Oy	29-01-1963 KD 336/63/301	-----
Lifejacket RT-63 P and RT-63	Rymaco Oy	29-01-1963 KD 339/63/301 KD 338/63/301	-----
Lifejacket HL-85 and HL-85 L	Oy Maritim Ab " * "	17-12-1985 KD 1940/85/305.1	12-90
Lifejacket MERMAN XII 50-2 and 51-2.	Maritime Plastic A/s	28-05-1982 KD 814/82/305.1	-----
Lifejacket Triumf 4-1969 and Triumf Cruiser 1969	A/S Christiansens Liv- beltfabrik, Norway	19-06-1975 KD 1959/75/301	-----
Lifejacket Kon-Tiki for adults and children	Provag Oy/Brødrene Sunde A/s, Norway	19-06-1975 KD 2144/75/301	-----
Lifejacket BOA D-54-17	Achilles Sourander/ France	14-01-1966 KD 3158/65/301	-----
Lifejacket BOA D.54-13	Achilles Sourander/ France	11-03-1966 KD 715/66/301	-----
Lifejacket PRSLUK-A/IV	Ålandsfärjan Ab (separate approval for each vessel)	05-04-1966 KD 2498/65/301	-----
Lifejacket W 86 (adults) W 80 (children)	Paul Merten GmbH West Germany " * "	04-11-1988 KD 2391/351/88	11-93

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
<u>SURVIVAL SUITS:</u>			
Survival suit E-305-2/and E-305-4	Maritim Ab/Helly Hansen A/s (renewed 14.04.1987)" * "	03-03-1987 KD 2795/86/305.1	03-92
Musk Ox Survival suit 5002	Structor Oy/Nordisk Gum- mibådsfabrik, Denmark	03-03-1987 " * " KD 2703/86/305.1	03-92
Survival suit SEASTEP	Liitin Oy/S.I.D.E.P. " * "	20-01-1987 KD 2589/86/305.1	01-92
Survival suit 5001 and Rescue suit 5003	Ursuk Oy (renewed 30.1.1990)" * "	26-03-1985 KD 785/85/305.1	03-90
Survival suit URSUIT 5020	Ursuk Oy " * "	25-05-1987 KD 970/87/305.1	05-92
Survival suit 8380	Rukka Oy " * "	02-10-1986 KD 2452/86/305.1	10-91
Rescue suit 8381	Rukka Oy " * "	27-03-1987 KD 760/87/305.1	03-92
Survival suit 804 L and 806 L	Tarpo Ky " * "	04-06-1986 KD 1446/86/305.1	06-91
Survival suit 810 and 811	Tarpo Ky " * "	07-09-1988 KD 102/351/88	09-93
Survival suit 800	Tarpo Ky " * "	14-05-1990 KD 1065/351/90	05-95
Survival suit STEARNS ISS 590 (A)	Rymaco Oy/Stearns, U.S.A. " * "	14-11-1986 KD 936/86/305.1	11-91
Survival suit FCO Aqua Sur- vival Suit MK.84	Finn Chr.Olsen & Son A/s, Norway " * "	25-05-1988 KD 405/351/88	05-93
Survival suit IMPERIAL SURVIVAL SUIT no 1409	Aimo Häihänen Approved only for m/s Sanna; Esso Finlandia; and Tankgard " * "	12-01-1989 KD 2774/312/88	-----

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Survival suit BAYLEYSUIT MODEL 7-01-07	Caj Kumenius/ BAYLEYSUIT INC CALIFORNIA	19-09-1988 " * " KD 2082/351/88	09-93

THERMAL PROTECTIVE AIDS:

Thermal protective aid ASCOTHERM IMO 86	Oy Maritim Ab/ Ascon-Kemi AB	25-08-1986 " * " KD 1406/86/305.1	08-91
Thermal protective aid TYRO-3	Tyroprodukter Ab/Witreco	21-03-1986 " * " KD 810/86/305.	03-91
Thermal protective aid TYRO 2:2	Samhall Lavi/ Tyroprodukter	06-11-1989 " * " KD 2245/351/89	11-94
Thermal protective aid GRP-87	Turun Markiisi ja Peite Oy	05-10-1987 " * " KD 2133/87/305.1	10-92

DAYLIGHT SIGNALLING LAMPS:

Daylight signalling lamp SIG 57-5	Nife Varamatic Ab/ Sab Nife, Sweden	08-05-1984 KD 1410/83/305	05-89
Daylight signalling lamp Aldis Longrange	Oy Maritim Ab (Hjelt & Lindgren)	16-09-1955 KD 2112/55/301	-----
Daylight signalling lamp KELAMP	Oy Maritim Ab " * "	20-10-1989 KD 1588/357/89	10-94

LIFEBOAT AND
LIFERAFT HOOKS:

Lifting hook multipurpose on-load/off-load type A SWL=10 T type B SWL=6 T	Fiskars Oy " * "	21-11-1985 " * " KD 1461/84/305	11-90
Liferaft hook Cranston-Eagle	Cranston Ky " * "	11-07-1984 KD 1461/84/305	-----
Rescue boat lifting- hook type 1,3 T type 2,6 T	Ernst Hatecke GmbH/ West Germany " * "	27-01-1989 KD 2423/351/88	01-94
Lifeboat lifting- hook type A SWL= 8,7 ton type B SWL= 9,0 ton	Deveser Oy/Finland " * "	03-01-1990 KD 1969/351/89	01-95
Lifeboat lifting- hook type C SWL= 10,0 ton	Deveser Oy/Finland " * "	01-02-199002-95 KD 461/351/90	

IMPORTER/MANUFACTURER

APPROVED/
KDDATE OF
EXPIRYLIFERAFTWATER BOTTLES:

Drinking water bottle for liferafts	Transaktor Int.Kb/ MP Water Ltd	14-11-1986	11-91
Brickteiner 500 ml (R)	" * "	KD 1195/86/305.1	

Drinking water bottle	FLORIDA CHEMIE GmbH	26-10-1988	10-93
Sachet packed drinking water 100ml and 50ml	West Germany	" * "	KD 2247/351/88

PILOT LADDERS:

Pilot ladder	Liitin Oy/ Norse Aluminium A/S	01-03-1985	03-90
LL 955	(renewed 29.8.1989)	KD 3005/84/305.1	

Pilot ladder	Peiteneulomo Tarpaulin/	02-06-1970	-----
PT 70 T	the same	KD 1892/70/301	

Pilot ladder	Hispano Finlandesa/ Aluminio Earle S.A.	09-12-1975	-----
		KD 3339/75/301	

Lifeboat - life-boatladders	Liitin Oy/ Norse aluminium A/s" * "	23-01-1989	01-94
		KD 192/351/89	

LIFEBOAT MOTORS:

Lifeboat motor	Maskino Ky/ILO Werke	05-03-1968	-----
ILO DL 660 and	GmbH, West Germany		
ILO DL 425		KD 27/68/301	

Lifeboat motor	Vaasan Moottori Oy	09-01-1968	-----
Wickström DR2		KD 3748/67	

Lifeboat motor	Damsgård Motorfabrik,	20-11-1959	-----
Sabb type G	Norway	KD 2735/59/301	

Lifeboat motor	Motorfabriken Bukh A/s	26-10-1988	10-93
Bukh DV 48 RME	Denmark	" * "	KD 1527/351/88

Lifeboat motor	Motorfabriken Bukh A/s	26-10-1988	10-93
Bukh DV 36 RME	Denmark	" * "	KD 1527/351/88

Lifeboat motor	Motorfabriken Bukh A/s	26-10-1988	10-93
Bukh DV 24 RME	Denmark	" * "	KD 1527/351/88

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Lifeboat motor TAMD-61A	Ab Volvo Penta/Volvo Norge A/s " * "	23-06-1988 KD 1466/351/88	06-93
Lifeboat motor Sabb F6.595 TI Gr	Finn-Sabb 02520/Lappböle Sabb Motor A/s Norway " * "	13-02-1990 KD 342/351/90	02-95
Lifeboat motor Sabb 2J/2JRG/2JHR	Finn-Sabb 02520/Lappböle Sabb Motor A/s Norway " * "	13-02-1990 KD 342/351/90	02-95
Lifeboat motor Sabb L3-139 LB	Finn-Sabb 02520/Lappböle Sabb Motor A/s Norway " * "	13-02-1990 KD 342/351/90	02-95
Lifeboat motor Sabb F6.622 GR	Finn-Sabb 02520/Lappböle Sabb Motor A/s Norway " * "	13-02-1990 KD 342/351/90	02-95
Lifeboat motor Sabb F6.595 T	Finn-Sabb 02520/Lappböle Sabb Motor A/s Norway " * "	13-02-1990 KD 342/351/90	02-95
Lifeboat motor Sabb F4.415 GR	Finn-Sabb 02520/Lappböle Sabb Motor A/s Norway " * "	13-02-1990 KD 342/351/90	02-95
Lifeboat motor Sabb M4.295 GR	Finn-Sabb 02520/Lappböle Sabb Motor A/s Norway " * "	13-02-1990 KD 342/351/90	02-95

LIFEBOAT SEARCH
LIGHTS:

Lifeboat search light UVL and UMVL	Akkumulatorindustri Ab	21-03-1967 KD 117/67/301	-----
Hand torch Q-Beam Big Max; Q-Beam Super Spot and Q-Beam Spot/Flood	Elwe Oy/Brinkmann Corp. Dallas/ U.S.A.	23-03-1981 KD 725/80/301	-----

IMPORTER/MANUFACTURER

APPROVED/
KDDATE OF
EXPIRYFOOD SUPPLIES FOR LIFEBOATS
AND LIFERAFTS:

Lifeboat food	Compact A/s, Norway	28-11-1978	-----
supplies Seven Oceans		KD 4202/78/301	
All-in-one			

Lifeboat food	Leonard & Kni.Oy/Konink-	12-04-1966	-----
supplies Verkade Red	lijke Verkade, Holland	KD 940/66/301	
Tin			

Lifeboat food	Rymaco Oy/Koninklijke,	22-12-1977	-----
supplies Verkade Blue	Holland	KD 4477/77/301	

SIGNAL PISTOLS:

Signal pistol	Paavo W Pirilä Ky/ F.Feistel K.G.	22-05-1975	-----
	(only in accordance with the Finnish Reg. on Life- saving Appliances on Ships, 1987)	KD 1414/75/301	

Signal pistol	Farsons Ky/Comet GmbH	25-05-1987	-----
Art.No.1226	(only in accordance with the Finnish Reg. on Life- saving Appliances on Ships, 1987)	KD 1105/87/305.1	
(parachute rocket)			

Signal pistol	Comline Oy/Olin Corpo-	20-04-1988	-----
Olin 25 mm	ration Signal Products		
(parachute rocket)	(only in accordance with the Finnish Reg. on Life- saving Appliances on Ships, 1987)	KD 190/88/305.1	

SAFETY LAMPS:

Safety lamp	Rymaco Oy/Bright Star	07-01-1975	-----
Bright Star type 2317	Industriers Inc., U.S.A.	KD 2889/73/301	
and type 2324			

Safety lamp	Syberg & Syberg A/S,	01-10-1970	-----
Dominit HE 120	Norway	KD 2808/70/301	

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Safety lamp CEAG 4 p	Ab Marin Power Oy/ CEAG Ltd, England	17-01-1961 KD 3798/60/301	-----
Safety lamp CEAG UNIVERSAL SAFETY	Ab Marin Power Oy/ CEAG Ltd, England	17-01-1961 KD 3798/60/301	-----
Safety lamp TORCH	Ab Marin Power Oy/ CEAG Ltd, England	24-04-1959 KD 3148/58/301	-----

RESCUE BOATS/LIFE BOATS:

Lifeboat type 372 for 6/28 persons	Waterman Oy (rescue-/lifeboat) " * "	23-06-1988 KD 1907/83/305.1	06-93
Lifeboat type 363 for 6/20 persons	Waterman Oy (rescue-/lifeboat) " * "	23-06-1988 KD 275/85/305.1	06-93
Lifeboat type 22'MOBL 6/22 persons	Harding Safety A/s Norway (rescue-/lifeboat)" * "	16-06-1989 KD 607/302/88	06-94
Lifeboat type Pel 26/RB 6/26 persons	Shipyard " GREBEN " Yugoslavia Vela Luka (newbuilding 357) " * "	26-05-1989 KD 2648/87/305.1	05-94
Lifeboat type Alusafe 850 Combi	A/s Ulstein Forsynings- tjeneste Norway " * "	04-01-1990 KD 2235/351/89	01-95

RESCUE BOATS:

Rescue boat type 376 for 10 persons	Waterman Oy " * "	23-06-1988 KD 1559/85/305.1	06-93
Rescue boat type 364 for 7 persons	Waterman Oy (rescue boat of class II) " * "	23-06-1988 KD 3594/85/305.1	06-93
Rescueboat type FRB 500 6 persons	Ernst Hatecke GmbH West Germany " * "	20-12-1989 KD 1967/351/88	12-93

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Rescueboat type DSB 420 IRB	Deutsche Schlauchboot- fabrik Hans Scheibert (approved only for Nb:s 1586 and 1594) " * "	23-06-1988 KD 2326/87/305.1	06-93
Rescueboat type 5,8m Rescue for 6 persons	Jørgensen & Vik A/s Norway " * "	16-06-1989 KD 576/351/89	06-94

LIFEBOATS:

Lifeboat type 379 for 90 persons	Waterman Oy " * "	23-06-1988 KD 1258/86/305.1	06-93
Lifeboat type 378 for 92 persons	Waterman Oy " * "	23-06-1988 KD 2847/85/305.1	06-93
Lifeboat type 361 for 150 persons	Waterman Oy " * "	23-06-1988 KD 52/81/301	05-93
Lifeboat type 351 for 58 persons	Waterman Oy " * "	23-06-1988 KD 1647/77/301	06-93
Lifeboat type 377 for 30 persons	Waterman Oy " * "	23-06-1988 KD 1557/85/305.1	06-93
Lifeboat type 374 for 56 persons	Waterman Oy " * "	23-06-1988 KD 1766/84/305.1	06-93
Lifeboat type 375 for 22 persons	Waterman Oy " * "	23-06-1988 KD 275/86/305.1	06-93
Lifeboat type 371 for 82 persons	Waterman Oy " * "	23-06-1988 KD 1258/86/305.1	06-93

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Lifeboat type 366 for 72 persons	Waterman Oy	23-06-1988	06-93
	" * "	KD 1258/86/305.1	
Lifeboat type 386 for 102 persons	Waterman Oy	23-06-1988	06-93
	" * "	KD 275/86/305.1	
Lifeboat type 382 for 101 persons	Waterman Oy	23-06-1988	06-93
	" * "	KD 1258/86/305.1	
Lifeboat type 368 for 15 persons	Waterman Oy	23-06-1988	06-93
	" * "	KD 1258/86/305.1	
Lifeboat type 369 for 42 persons	Waterman Oy	23-06-1988	06-93
	" * "	KD 1558/85/305.1	
Lifeboat type 322 for 40 persons	Waterman Oy	09-11-1976	-----
	" * "	KD 892/76/301	
Lifeboat type 361 for 150 persons	Waterman Oy	16-03-1981	-----
	" * "	KD 52/81/301	
Lifeboat type 351 for 58 persons	Waterman Oy	28-03-1978	-----
	" * "	KD 1647/77/301	
Lifeboat type 321 for 40 persons	Waterman Oy	09-11-1981	-----
	" * "	KD 3554/76/301	
Lifeboat type 329 for 65 persons	Waterman Oy	09-11-1976	-----
	" * "	KD 4632/76/301	
Lifeboat type 343 for 102 persons	Waterman Oy	09-11-1976	-----
	" * "	KD 2406/76/301	

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Lifeboat type 339 for 50 persons	Waterman Oy	23-10-1975	-----
	" * "	KD 3340/75/301	
Lifeboat type 49/R and 47/M	Sotrather Iberia S.A, Spain	22-04-1975	-----
		KD 2788/74/301	
Lifeboat type 320 for 25 persons	Waterman Oy	23-06-1988	-----
	" * "	KD 4496/78/301	
Lifeboat type 324 for 76 persons	Waterman Oy	23-06-1988	-----
	" * "	KD 4496/78/301	
Lifeboat type 355 for 10 persons	Waterman Oy	23-06-1988	-----
	" * "	KD 4496/78/301	
Lifeboat type 360 for 18 persons	Waterman Oy	23-06-1988	-----
	" * "	KD 4496/78/301	
Lifeboat type GFF 6.6 (free fall lifeboat, 14 pers.)	Ernst Hatecke GmbH West Germany	20-12-1988	12-93
	" * "	KD 1834/351/88	
Lifeboat type GFF 6.6 (free fall lifeboat, 18 pers.)	Ernst Hatecke GmbH West Germany	15-01-1990	01-95
	" * "	KD 1834/351/88	
Lifeboat type GFF 5.7 (free fall lifeboat, 12 pers.)	Ernst Hatecke GmbH West Germany	16-06-1989	06-94
	" * "	KD 1138/351/88	
Lifeboat type T.E.L.B 34 persons	Jørgensen & Vik Norway (for Nb: 539)	16-06-1989	06-94
	" * "	KD 1559/87/302	
Lifeboat type PEL 150	Harding Safety A/s Norway	16-06-1989	06-94
	" * "	KD 607/302/88	

IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
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SHIP BOATS:

Ship boat type 364 for 7 persons	Waterman Oy	10-04-1981	-----
		KD 3434/80/301	

DAVITS:

Schat Pivot Gravity type SPG(L) winch type BE 4.5	Schat-Davit Company GmbH, West Germany	28-09-1987	09-92
	" * "	KD 1857/86/305.1	
Gravity type ND winch type 16 - EW	Schat-Davit Company GmbH, West Germany	15-11-1989	11-94
	" * "	KD 984/320/89	
Liferaft Davit type NT 174/22 winch type 2-38-10	Schat Davit Company GmbH, West Germany	31-01-1990	01-95
	" * "	KD 724/320/89	
Life-/rescueboat davit type LT 24/14 winch type 16 EBR	Schat Davit Company GmbH, West Germany	31-01-1990	01-95
	" * "	KD 724/320/89	
Rescue Liferaft davit type D-269	Welin Lambie Ltd, England	19-11-1986	11-91
	" * "	KD 278/85/302	
Liferaft davit type 5612/7102 SWL= 2.1 ton	Welin Lambie Ltd, England	05-04-1989	04-94
	" * "	KD 754/351/89	
Schat Roller Track Gravity type GRA (5300 kg) winch type BE 4.5	Schat-Davit Company GmbH, West Germany	20-08-1987	08-92
	" * "	KD 1673/86/302	
Schat Roller Track Gravity type GRA (17950 kg) winch type BE 10	Schat-Davit Company GmbH, West Germany	20-08-1987	08-92
	" * "	KD 1673/86/302	
Schat Roller Track Gravity type GRA (12100 kg) winch type BE 10	Schat-Davit Company GmbH, West Germany	20-08-1987	08-92
	" * "	KD 1673/86/302	
Schat Single Arm Slewing Davit Liferaft Davit	Schat-Davit Company GmbH, West Germany	09-12-1987	12-92
	" * "	KD 1673/86/302	

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Lifeboat davit NT 183/26 winch type 2-38-10	Schat Davit Company GmbH, West Germany (Pitot Gravity) " * "	03-01-1989 KD 2773/351/88	01-94
Liferaft davit SRR 360/3.65/21 winch type 08-02	Schat Davit Company GmbH, West Germany " * "	03-01-1989 KD 2773/351/88	01-94
Rescueboat Davit SAT 21/20 winch type 2-22-13	Schat Davit Company GmbH, West Germany " * "	03-01-1989 KD 2773/351/88	01-94
Rescueboat Davit type SAP winch type 24 EP	Schat Davit Company GmbH, West Germany " * "	03-01-1989 KD 2347/351/88	01-94
Lifeboat davit SPG 20 Modele II winch type TBE 2,17 CDE 2958 1/2	Societe Nouvelle ACEBI SA France " * "	27-07-1989 KD 902/351/89	07-94
Rescueboat davit type SPG U winch type TBE 2,16 CDE 2968	Societe Nouvelle ACEBI SA France " * "	27-07-1989 KD 902/351/89	07-94
Lifeboat davit type Vip 20 winch EW 12 PLDR	Harding Safety A/s Norway " * "	31-05-1989 KD 159/351/89	05-94
Rescueboat davit type SA 3760 winch type EW 5 PL	Hardin Safety A/s Norway " * "	08-02-1990 KD 385/351/90	02-95
Liferaft davit type HD/25-2100 winch type W 2100 S	Harding Safety A/s Norway " * "	06-02-1990 KD 384/351/90	02-95
Lifeboat davit type HD/PD 20 winch type EW 12 PL	Harding Safety A/s Norway " * "	06-02-1990 KD 2521/351/89	02-95
Lifeboat Winch type HD/EW-12-PL	Harding Safety A/s Norway " * "	28-02-1990 KD 2306/351/88	02-95
Liferaft davit type 5612/7102 winch type W-10295 SWL=2.1 ton	Aktieolaget Welin Sweden " * "	31-05-1989 KD 2304/351/88	05-94

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Lifeboat davit type D-RT 180 Winch 26.01 SWL=8.6 T	Davit International GmbH, West Germany	15-05-1990	05-95
	" * "	KD 1214/320/89	
Life-/rescueboat davit type D-RT. 50 SWL=2.7 T Winch 12.11	Davit International GmbH West Germany	15-05-1990	05-95
	" * "	KD 1214/320/89	
Liferaft davit type D-RC -21/4 SWL=2.1 T Winch 04.08.02	Davit International GmbH West Germany	15-05-1990	05-95
	" * "	KD 1214/320/89	

RADARREFLEKTORS:

Radarreflektor type TR-1 (for liferafts)	Autoflug GmbH West Germany	19-09-1988	09-93
	" * "	KD 305/351/88	
Radarreflektor type KR-1 (for liferafts)	Oy Maritim Ab Finland	04-03.1990	03-95
	" * "	KD 1961/351/88	

MACHINE INSTRUCTION
PRINTERS:

Machine instruction printer Neman Recorder	Sähkölähteenmäki Oy	24-03-1975	-----
		KD 977/75/301	
Machine instruction printer Statronic	Statronic A/S, Norway	10-04-1975	-----
		KD 1480/75/301	
Machine instruction printer OSK-3-4, OVK-3, OSK-4, OVR-2	Svenska Ackumulator- aktiebolaget Jungner	14-02-1969	-----
		KD 1154/68/301	
Machine instruction printer Zander & Ingeström	Zander & Ingeström Ab	24-02-1967	-----
		KD 800/67/301	
Machine instruction printer Burk	Fresta Oy/Wurttember- gische Uhrenfabrik	02-11-1965	-----
		KD 1627/65/301	

LIFEBOAT COVERS:

Lifeboat cover PVK - 66	Rymaco Oy/Tikkurilan Silkki	05-04-1966	-----
		KD 733/66/301	

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Lifeboat cover FINSKT KAPELL	Peiteneulomo Tarpaulin	29-03-1966 KD 172/66/301	-----
Lifeboat cover SOLAS	Oy Flinkenberg & Co Ab	12-10-1965 KD 4612/64/301	-----
Lifeboat cover WG	Oy Interco Ab/W.Giertsen A/s, Norway	15-02-1966 KD 442/66/301	-----
Lifeboat cover material POLYPLAN	Oy Suomen Sattler Ab	27-08-1974 KD 1058/74/301	-----
Lifeboat cover material WALRAF TEXTILWERKE	Oy Waterman Ab	14-09-1965 KD 686/65/301	-----

LIFEJACKETS FOR RECREATIONAL USE:

Camaro Youngster Size: 10-20 kg 20-40 kg	Ky Celestial Kb	26-02-1986 KD 327/86/305.1	02-91
Camaro Youngster Max. size 15 kg	Ky Celestial Kb	18-04-1988 KD 815/351/88	04-93
Camaro Sea Size: 40-60kg 60-80kg and over 80 kg	Ky Celestial Kb	10-04-1989 KD 685/351/89	04-94
K-460 Mini Size: 3-15 kg	Oy Maritim Ab/Helly- Hansen A/s, Norway	14-09-1987 KD 1577/87/305.1	09-92
K-582 Off-shore Size: 40-50 kg 50-60 kg 60-80 kg and over 80 kg	Oy Maritim Ab/Helly- Hansen A/s, Norway	04-05-1988 KD 884/351/88	05-92
K-975 Skipmate Size: 10-15 kg 15-20 kg 20-30 kg 30-40 kg 40-60 kg 60-80 kg and over 80 kg	Oy Maritim Ab/Helly- Hansen A/S, Norway	14-09-1987 KD 1577/87/305.1	09-92

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
K-993 Navigare	Oy Maritim Ab/Helly- Hansen A/s, Norway	14-09-1987	09-92
Size: 10-15 kg			
15-20 kg			
20-30 kg			
30-40 kg			
40-60 kg			
60-80 kg			
and over 80 kg		KD 1577/87/305.1	
K-995 Navigare Flash	Oy Maritim Ab/Helly- Hansen A/s, Norway	10-11-1989	11-94
Size: 10-15kg			
15-20kg			
20-30kg			
30-40kg			
40-60kg			
60-80kg			
over 80kg (XL)			
over 80kg (XXL)		KD 2353/351/89	
Flyer Sport	Ab Bennex Oy	29-05-1984	05-94
Size: 10-20 kg	(renewed 03-05-1989)		
20-30 kg			
30-40 kg			
40-60 kg			
60-80 kg			
and over 80 kg		KD 926/84/305.1	
Merinyl Sport	Ab Bennex Oy	20-05-1980	-----
Size: 10-20 kg			
20-30 kg			
30-40 kg			
40-60 kg			
60-80 kg			
and over 80 kg			
Skipper 2	Oy Rymaco Ab	06-04-1978	-----
Size: 20-30 kg		KD 790/78/301	
Skipper 2 Safety	Oy Rymaco Ab	14-03-1978	-----
Size: 40-60 kg			
60-80 kg			
and over 80 kg		KD 4610/77/301	

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Skipper 2 Size: 30-40 kg 40-60 kg 60-80 kg and over 80 kg	Oy Rymaco Ab	04-01-1977	-----
		KD 4771/76/301	
Rymaco Baltic Size: 15-30 kg 30-40 kg 40-60 kg 60-80 kg and over 80 kg	Oy Rymaco Ab	23-05-1990	05-95
		KD 850/351/90	
Merinyl Soft Size: 20-30 kg 30-40 kg 40-60 kg 60-80 kg and over 80 kg	Oy Bennex Ab	12-04-1977	-----
		KD 1522/77/301	
Merinyl Size: 40-60 kg 60-80 kg and over 80 kg	Oy Bennex Ab	12-04-1977	-----
		KD 1522/77/301	
Sailor Size: 15-20 kg 20-30 kg 30-40 kg 40-60 kg 60-80 kg and over 80 kg	Oy Rukka Ab	03-12-1980	-----
		KD 3567/80/30	
Sailor size: 15 kg max art.nr.6100	Oy Rukka Ab	29-03-1990 628/351/90	03-95
Rukka Size: 15-20 kg 20-30 kg 30-40 kg 40-60 kg 60-80 kg and over 80 kg	Oy Rukka Ab	04-01-1977	-----
		KD 639/75/301	

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Hamils-Lux	Oy Lahden Nahka	24-01-1977	-----
Size: under 20 kg			
20-40 kg			
40-60 kg			
60-80 kg			
and over 80 kg		KD 1935/76/301	
 <u>BUOYANCY AIDS:</u>			
Sea-Hamillon	Tampereen Koriosa Oy	03-08-1987	08-92
Size: 50-60 kg (Nos. 36,38)			
60-80 kg (Nos. 40,42)			
60-80 kg (Nos. 46,48,50 and 52)			
over 80 kg (Nos. 54,56,58 and 60)		KD 1558/87/305.	
Hamillon	Lahden Nahka Oy	25-11-1977	-----
Size: 40-60 kg			
60-80 kg			
and over 80 kg		KD 4246/77/301	
Poliisi	Tukku-Tuote Oy	27-08-1986	08-91
Size: 60-80 kg			
and over 80 kg		KD 1945/86/305.1	
Navy	Tukku-Tuote Oy	15-05-1989	05-94
Size: over 80kg		KD 575/351/89	
Smart	Oy Rukka Ab	02-03-1987	03-92
Size: 40-50 kg (6000)			
50-60 kg (6001)			
60-80 kg (6002)			
over 80 kg (6003, 6004, 6005)		KD 267/87/305.1	
Get On (6162)	Oy Rukka Ab	03-02-1982	-----
Size: 40-50 kg			
50-60 kg			
60-80 kg			
and over 80 kg		KD 1424/81/301	
Fun	Oy Rukka Ab	23-01-1986	01-91
Size: 40-50 kg (6061)			
50-60 kg (6062)			
60-80 kg (6063)			
over 80 kg (6064, 6065)		KD 3599/85/305.1	
Just	Oy Rukka Ab	05-03-1990	03-95
size: 40-50 kg (XS)			
50-60 kg (S) art.no.6008			
60-80 kg (L)			
over 80 kg (XL)			
over 80 kg (XXL) art.no.6009		KD 393/351/90	

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Free Size: 40-50 kg 50-60 kg 60-80 kg and over 80 kg	Oy Rukka Ab	03-12-1980	-----
		KD 3567/80/301	
Free II Size: 40-50 kg (6031) 50-60 kg (6032) 60-80 kg (6033) and over 80 kg (6034, 6035)	Oy Rukka Ab	23-01-1986	01-91
		KD 3599/85/305.1	
Windsurfer Size: 40-60 kg 60-80 kg and over 80 kg	Oy Rukka Ab	21-09-1981	-----
		KD 1424/81/301	
Windsurfing (6151) Size: 40-60 kg 60-80 kg and over 80 kg	Oy Rukka Ab	03-02-1982	-----
		KD 1424/81/301	
Windsurfing III Size: 40-60 kg 60-80 kg and over 80 kg	Oy Rukka Ab	23-01-1986	01-91
		KD 3599/85/305.1	
Kanot Size: 40-60 kg and over 60 kg	Oy Rukka Ab	03-02-1982	-----
		KD 1424/81/301	
Kanot Size : 40-60kg(6050) 60-80kg(6051) and over 80kg(6052)	Oy Rukka Ab	28-03-1989	03-94
		KD 214/351/89	
Sport Size: 40-50 kg 50-60 kg 60-80 kg and over 80 kg	Oy Rukka Ab	16-04-1980	-----
		KD 4376/77/301	
Surf Size: 40-50 kg 50-60 kg 60-80 kg and over 80 kg	Oy Rukka Ab	07-02-1978	-----
		KD 4376/77/301	

IMPORTED/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Rukka Stripe Size: 40-50 kg 50-60 kg 60-80 kg and over 80 kg	Oy Rukka Ab	16-04-1980 -----
Rukka Size; 40-50 kg 50-60 kg 60-80 kg and over 80 kg	Oy Rukka Ab	28-04-1977 ----- KD 1527/77/301
Rukka Skipper Size: 40-50 kg (XS) 50-60 kg (S) Art.No. 6006 60-80 kg (M) over 80 kg (L) over 80 kg (XL) and over 80 kg (XXL) Art.No. 6007	Oy Rukka Ab	26-05-1988 05-93 KD 1157/351/88
Hokka Sailing Size: 40-50 kg (S) 50-60 kg (M) 60-80 kg (L) over 80 kg (XL) and (XXL)	Hokka Oy	31-10-1986 10-91 KD 2438/86/305.1
Hokka Fishing Size: 40-50 kg (S) 50-60 kg (M) 60-80 kg (L) over 80 kg (XL) and over 80 kg (XXL)	Hokka Oy	23-09-1987 09-92 KD 1843/87/305.1
Lake Hamillon Size: 40-60 kg (SN) 60-80 kg (MN) over 80 kg (LN) 40-60 kg (SM) 60-80 kg (MM) over 80 kg (LM) over 80 kg (XLM) SN= for ladies; SM= for men	Lahden Nahka Oy	19-08-1985 08-90 KD 2215/85/305.1
River-Hamillon Size: 40-80 kg and over 80 kg	Lahden Nahka Oy	06-06-1985 06-90 KD 1645/85/305.1

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Almarine I Size: 40-60 kg (Nos.36,38,40,42,44 and 46) 60-80 kg (Nos.48,50 and 52) over 80 kg (Nos.54,56 and 58)	Top-Marine Oy	02-11-1984	11-89
		KD 3997/333/84	
Almarin Surf Size: 50-60 kg 60-80 kg and over 80 kg	Antti Luhtala Ky	02-02-1981	-----
		KD 3675/80/301	
Almarin R Size: 50-60 kg 60-80 kg and over 80 kg	Antti Luhtala Ky	10-09-1979	-----
		KD 485/79/301	
Almarin Size: 50-60 kg and 60-80 kg for ladies 60-80 kg and over 80 kg for men	Antti Luhtala Ky	18-10-1977	-----
		KD 1848/77/301	
Almarine II size: 40-60kg (No:36,38,40,42,44 and 46) 60-80kg (No:48,50 and 52) over 80kg (No:54,56 and 60)	Top-Marine Oy	07-09-1988	07-93
		KD 1866/351/88	
Camaro Sportline Size: 40-60 kg 60-80 kg and over 80 kg	Ky Celestial Kb (renewed 18.4.1989)	09-04-1984	04-94
		KD 1181/84/305.1	
Camaro Lokki Size: 40-60kg 60-80kg and over 80kg	Ky Celestial Kb	10-04-1989	04-94
		KD 685/351/89	
Camaro Star Size: 40-60kg 60-80kg and over 80kg	Ky Celestial Kb	10-04-1989	04-94
		KD 685/351/89	
Camaro Sport Size: 40-60kg 60-80kg and over 80kg	Ky Celestial Kb	10-04-1989	04-94
		KD 685/351/89	
Kippari Size: 50-60 kg 60-80 kg and over 80 kg	Oy Rymaco Ab (renewed 28.5.1990)	29-04-1985	04-90
		KD 1348/85/305.1	

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Racing Size: 40-50 kg 50-60 kg 60-80 kg and over 80 kg	Oy Rymaco Ab	20-05-1980	-----
		KD 1794/80/301	
Flyer Racing Size: 40-60 kg 60-80 kg and over 80 kg	Ab Bennex Oy (renewed 03.05.1989)	16-04-1984	04-94
		KD 926/84/305.1	
Flyer Capri Size: 40-60 kg 60-80 kg and over 80 kg	Ab Bennex Oy	22-05-1990	05-95
		KD 192/351/90	
Rio Size: 40-60 kg 60-80 kg and over 80 kg	Ab Bennex Oy	18-01-1988	01-93
		KD 2949/87/305.1	
Mereily Racing Size: 50-60 kg 60-70 kg 70-80 kg 80-90 kg and 90-110 kg	Oy Mereily Ab	12-04-1977	-----
		KD 3247/76/301	
Skipper D-270 Size: 50-60 kg (XS) 60-80 kg (S) 60-80 kg (M) over 80 kg (L) and over 80 kg (XL)	Oy Maritim Ab/Helly Hansen A/S, Norway	14-09-1987	09-92
		KD 1655/87/305.1	
Commodore K-303 Size: 40-50 kg, No.46 50-60 kg, Nos.48 and 50 60-80 kg, Nos.52 and 54 and over 80 kg, Nos.56 and 58	Oy Maritim Ab/Helly Hansen A/S, Norway	14-09-1987	09-92
		KD 1655/87/305.1	
Spinnaker K-420 Size: 40-50 kg 50-60 kg 60-80 kg and over 80 kg	Oy Maritim Ab/Helly Hansen A/S, Norway	14-09-1987	09-92
		KD 1655/87/305.1	

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Sport K-405 Size: 40-50 kg 50-60 kg 60-80 kg and over 80 kg	Oy Maritim Ab/Helly Hansen A/S, Norway	14-09-1987	09-92
		KD 1655/87/305.1	
Paddler K-958 Size: 40-60 kg and 60-80 kg	Oy Maritim Ab/Helly Hansen A/S, Norway	14-09-1987	09-92
		KD 1655/87/305.1	
Sailor D-274 Size: 50-60 kg 60-80 kg and over 80 kg	Oy Maritim Ab/Helly Hansen A/s, Norway	04-01-1988	01-93
		KD 2852/87/305.1	
Sport K-404 Size: 30-40kg 60-80kg over 80kg	Oy Maritim Ab/Helly- Hansen A/s, Norway	14-11-1989	11-94
		KD 2351/351/89	
Spinnaker K-424 Size: 30-40kg 50-60kg 60-80kg over 80kg	Oy Maritim Ab/Helly- Hansen A/s, Norway	14-11-1989	11-94
		KD 2352/351/89	
Tornado K-434 Size: 50-60kg 60-80kg over 80kg	Oy Maritim Ab/Helly- Hansen A/s, Norway	10-01-1990	01-95
		KD 2503/351/89	
Hunter K-430 Size: 50-60kg 60-80kg over 80kg	Oy Maritim Ab/Helly- Hansen A/s, Norway	10-01-1990	01-95
		KD 2503/351/89	

BUOYANCY MATERIAL:

Termolon 30	Oy Termonova	10-03-1988 HD 508/88	03-93
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	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Termolon	Oy Termonova	03-08-1987 KD 1037/87/305.1	08-92
Vitacel Buoyancy foam type 5/50	British Vita Company/ 04350/Nahkela Finland	17-06-1977 KD 2115/77/301	-----
Vitacel Buoyancy foam type 5/65	British Vita Company/ 04350/Nahkela Finland	02-02-1979 KD 321/79/301	-----
Airex Buoyancy foam type S 32.50	Oy Dynos Ab/ Airex AG Switzerland	03-11-1980 KD 2416/80/301	-----
Airex Buoyancy foam type S 30.50	Oy Dynos Ab/ Airex AG Switzerland	11-09-1975 KD 3312/75/301	-----
Airex Buoyancy foam type S 10.70	Oy Dynos Ab/ Airex AG Switzerland	17-05-1977 KD 1915/77/301	-----
Trocellen Buoyancy foam type 2540W	Nemitex Oy/Dynamit Nobel	28-11-1975 Kd 3200/78/301	-----
Alveolit Buoyancy foam type Alveolit FR and Alveolux A FR	Oy Banmark Ab/ Alveo AG Switzerland	04-05-1978 KD 1331/78/301	-----

WHISTLES FOR
LIFEBUOYS:

Whistle type The Acme City	Oy Maritim Ab	07-09-1962 KD 3076/62/301	-----
Whistle type Seadog	Oy Rymaco Ab	03-05-1966 KD 1260/66/301	-----
Whistle type VP-7	Oy Plastopor Ab	13-05-1966 KD 1094/66/301	-----
Whistle type Perrywhistle	R.Perry & Company	30-08-1966 KD 2392/66/301	-----

LIFEJACKETS COVER
MATERIAL:

Sofinal type 5423	Oy Satex Ab/Sofinal M.V -S.A.Waregem Belgium (renewed 30.8.1989)	12-09-1984 KD 1804/351/89	09-94
Contesa-Devos type VN3A/66 SG Colour 2943/orange	Oy Satex Ab/ Contesa-Devos NV Belgium	21-06-1982 KD 1866/82/3051	

	IMPORTER/MANUFACTURER	APPROVED/ KD	DATE OF EXPIRY
Crepe Weavers type 4031 and 4041	Oy Keha/ Crepe Weavers Ltd " * "	10-11-1989 KD 2037/351/89	11-94
Crepe Weavers type TR 495 Nylon Poult	Oy Keha/ Crepe Weavers Ltd	15-10-1979	-----
Fodervävnader Type 1886/6298	Ab Fodervävnader Sweden	24-02-1982 KD 1372/80/301	-----
Fodervävnader type Cadet 4885; 4900 and 4913 Jetland Tasplant Print 1887	Ab Fodervävnader Sweden	28-04-1980 KD 1372/80/301	-----
Mosjöen Veveri type 31605	Oy Textil norion Ab/ Mosjöen Veveri Norway	03-11-1980 KD 3181/81/301	-----
Carrington Perfor- mance type N4004 shade orange 180	Oy Viljo Hameri/Carring- ton Performance Fabric England	03-11-1980 KD 2219/80/301	-----

EMERGENCY RADIO
BEACONS

Tron 1 K	Standard Electric Puheliteollisuus Oy (121.5 MHz and 243 MHz)	26-10-1988 THL 88490001	-----
Tron 30 S	-----" (121.5 MHz; 243 MHz and 406.025 MHz)	21-09-1987 TLH 12720	-----